

Attorney Docket No. 039751.0302546

- (a) hybridizing a first primer to a first portion of a target sequence, wherein said first primer further comprises an adapter sequence;
- (b) hybridizing a second primer to a second portion of said target sequence wherein said first portion of said target sequence and said second portion of said target sequence are not adjacent;
- (c) extending either said first primer or said second primer towards the other;
- (d) ligating said first and second primers together to form a modified primer;
- (e) contacting said adapter sequence of said modified primer or its complement with an array comprising:
  - i) a substrate with a surface comprising discrete sites; and
  - ii) a population of microspheres comprising at least a first subpopulation comprising a first nucleic acid capture probe, such that said first capture probe and an amplification product of said modified primer form a hybridization complex; wherein said microspheres are distributed on said surface; and
- (f) detecting the presence of said modified primer, to thereby detect said nucleic acid sequence.

#### REMARKS

Claims 14-28 are pending in the application. Applicants have cancelled claim 14 and added new claim 29, which corresponds to claim 14 submitted with Amendments and Remarks filed on December 2, 2002.

This change was made to clarify which claims should be examined, but does not change the scope of the claim language nor raise any issue of patentability.

It is believed that all claims are now in condition for allowance. Notification to that effect is respectfully requested. If it is believed that prosecution may be furthered thereby, the Examiner is invited to contact Applicant's undersigned representative to discuss the same.

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No additional fee is believed to be due with the filing of this Supplemental Amendment and Response, but if Applicant is in error, the Commissioner is hereby authorized to debit deposit account number 03-3975. Please note the new correspondence address indicated below.

Respectfully submitted,



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